

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



M  
2  
UNITED STATES DEPARTMENT OF AGRICULTURE  
AGRICULTURAL RESEARCH SERVICE  
ANIMAL DISEASE AND PARASITE RESEARCH DIVISION  
PLUM ISLAND ANIMAL DISEASE LABORATORY -LIBRARY  
POST OFFICE BOX 848  
GREENPORT, LONG ISLAND, NEW YORK 11944



MONTHLY  
BIBLIOGRAPHY ON EXOTIC ANIMAL DISEASES

VOL. 8, NO. 4, APRIL 1970

(PAGE NOS. 65 - 98)

U. S. DEPT. OF AGRICULTURE  
NATIONAL AGRICULTURAL LIBRARY

JUN 8 1970

CURRENT SERIAL RECORDS



EXPLANATORY NOTE

1. ENTRIES ARE ARRANGED IN ALPHABETICAL ORDER BY DISEASE.
2. DISEASES ARE INDICATED AT THE BEGINNING OF EACH GROUP.
3. UNDER DISEASE, ENTRIES ARE ARRANGED IN ALPHABETICAL ORDER BY AUTHOR'S NAME.
4. ON THE RIGHT MARGIN, "PIL", "NUMBER", AND "LIBRARY CLASSIFICATION CALL NUMBER" INDICATE ARTICLE APPEARS IN A PERIODICAL (JOURNAL) IN THE LIBRARY, PUBLICATION IS AVAILABLE IN THE "REPRINT-FILE" UNDER THE INDICATED NUMBER, AND BOOK IS AVAILABLE IN THE LIBRARY.

AFRICAN HORSE SICKNESS

- OELLERMANN, R.A., ELS, H.J., and ERASMUS, B.J.  
 Characterization of African horsesickness virus.  
 Arch. Gesamte Virusforsch. 29(2-3):163-174, 1970. PIL
- O.I.E. COMMISSION FOR AFRICA. SUB-REGIONAL MAGHREB  
 GROUP. 1st Meeting, Rabat, September 8-11, 1969.  
 Proceedings; conclusions and recommendations.  
 Bull. Off. Int. Epizoot. 71(9-10):1115-1136(Fr.),  
 1137-1140(Fr.), 1141-1144(E.), 1145-1148(Sp.),  
 and 1149-1153(Arabic), 1969. PIL
- RWEYEMAMU, M.M.  
 Viral vaccines in veterinary medicine.  
 --Review article.  
 Vet. Bull. 40(2):73-82, 1970. PIL

AFRICAN SWINE FEVER

- EAST AFRICAN VETERINARY RESEARCH ORGANIZATION.  
 Muguga, Kenya.  
 Annual report 1968(January - December). Nairobi, E.A.C.  
 (CPS) Printer, 105 p., 1969. #3258/4
- LOMBARDO, A.  
 African swine fever, its spread and harmfulness,  
 and prophylactic measures taken in Naples Province.  
 Acta Med. Vet. Napoli 15:3-15, 1969 (I.).  
 Vet. Bull. 40(2):109(609), 1970. PIL
- PAN, I.C., DeBOER, C.J., and HEUSCHELE, W.P.  
 Hypergammaglobulinemia in swine infected with African  
 swine fever virus.  
 Fed. Proc. 29(2):435(1071), 1970. PIL



AFRICAN SWINE FEVER

QUESADA, A.

African swine fever. Diagnosis and action taken  
in the jurisdiction of the Mezzogiorno Research  
Station at Portici.

Acta Med. Vet. Napoli 15:17-27, 1969 (I.).

Vet. Bull. 40(2):109(610), 1970.

PIL

BOVINE MAMMILLITIS

RWEYEMAMU, M.M.

Viral vaccines in veterinary medicine.

--Review article.

Vet. Bull. 40(2):73-82, 1970.

PIL

CAPRINE PLEUROPNEUMONIA

BUTLER, M.

Pathogenesis of respiratory mycoplasma studied  
in human embryo trachea cultures.

J. Gen. Microbiol. 59(3):vii, 1969.

PIL

PERREAU, P., GAYT, P., and MONNIER, J.

La methode d'immunofluorescence et l'identification  
des mycoplasmes. Application au diagnostic de la  
peripneumonie. (The fluorescent antibody method  
for identifying mycoplasmas. Application for the  
diagnosis of contagious bovine pleuropneumonia.)  
English summary, p. 492.

Rev. Elev. Med. Vet. Pays Trop. 22(4):481-493, 1969.

PIL

CONTAGIOUS AGALACTIA OF SHEEP AND GOATS

DE SIMON, M., and others.\*

Un vaccin contra agalaxiei contagioase a oilor  
si caprelor. (A vaccine against contagious  
agalactia of sheep and goats.)

English summary, p. 239.

In: Lucr. Inst. Cercet. Vet. Bioprep. "Pasteur"  
Vol. 6:231-240, 1967, publ. 1969.

\*N. Grigoriu, P. Dinculescu, Fl. Dan, and Veronica Paduraru. SF 745 I6

PERREAU P., GAYT, P., and MONNIER, J.

La methode d'immunofluorescence et l'identification  
des mycoplasmes. Application au diagnostic de la  
peripneumonie. (The fluorescent antibody method  
for identifying mycoplasmas. Application for the  
diagnosis of contagious bovine pleuropneumonia.)  
English summary, p. 492.

Rev. Elev. Med. Vet. Pays Trop. 22(4):481-493, 1969.

PIL





CONTAGIOUS AGALACTIA OF SHEEP AND GOATS

SMITH, D.G.

Bacteria with their coats off. Spheroplasts,  
protoplasts and L-forms.  
Sci. Progr. 57(226):169-192, 1969.  
Biol. Abstr. 51(5):2625-2626(27236), 1970.

PIL

CONTAGIOUS BOVINE PLEUROPNEUMONIA

DAVIES, G.

Growth characteristics of the T1 strain of  
Mycoplasma mycoides.  
Trop. Anim. Health Prod. 1(1):7-12, 1969.  
Vet. Bull. 40(2):92(491), 1970.

PIL  
PIL

EAST AFRICAN VETERINARY RESEARCH ORGANIZATION.

Muguga, Kenya.

Annual report 1968(January - December). Nairobi, E.A.C.  
(CPS) Printer, 105 p., 1969.

#3258/4

PERREAU, P., GAYT, P., and MONNIER, J.

La methode d'immunofluorescence et l'identification  
des mycoplasmes. Application au diagnostic de la  
peripneumonie. (The fluorescent antibody method  
for identifying mycoplasmas. Application for the  
diagnosis of contagious bovine pleuropneumonia.)  
English summary, p. 492.

Rev. Elev. Med. Vet. Pays Trop. 22(4):481-493, 1969.

PIL

SMITH, D.G.

Bacteria with their coats off. Spheroplasts,  
protoplasts and L-forms.  
Sci. Progr. 57(226):169-192, 1969.  
Biol. Abstr. 51(5):2625-2626(27236), 1970.

PIL

STONE, S.S., and BYGRAVE, A.C.

Contagious bovine pleuropneumonia: comparison of  
serological tests and post-mortem observations  
in cattle with resolving lung lesions.  
Bull. Epizoot. Dis. Afr. 17(1):11-19, 1969.

PIL &  
#7247

CONTAGIOUS ECTHYMA OF SHEEP

RWEYEMAMU, M.M.

Viral vaccines in veterinary medicine.  
--Review article.  
Vet. Bull. 40(2):73-82, 1970.

PIL



EAST COAST FEVER

EAST AFRICAN VETERINARY RESEARCH ORGANIZATION.

Muguga, Kenya.

Annual report 1968(January - December). Nairobi, E.A.C.  
(CPS) Printer, 105 p., 1969.

#3258/4

DUCK PLAGUE

RWEYEMAMU, M.M.

Viral vaccines in veterinary medicine.

--Review article.

Vet. Bull. 40(2):73-82, 1970.

PIL

U.S./JAPAN NATURAL RESOURCES COMMITTEE.

Meeting of the Mycoplasmosis Panel, Tokyo,  
Japan, [1969? 7].

UJNR - Mycoplasmosis panel.

Fed. Vet. 27(1):10, 1970.

CIRC.FILE

EPHEMERAL FEVER

YOUNG, J.S.

Ephemeral fever and congenital deformities in calves.

Aust. Vet. J. 45(12):574-576, 1969.

PIL

FOOT-AND-MOUTH DISEASE

ALEKSEEVA, I.I., GUMEROV, N.K., and LESHCHINSKAYA, I.B.

Effect of RNases on foot and mouth disease virus  
in a cell culture.

In: Nikleazy Nekot. Aspekty Ikh. Primen., p. 153-

162, 1968, ed. by M.I. Belyaeva. Kazan, USSR,

Izd. Kazan Univ., p., 1968 (Russ.).

Chem. Abstr. 72(15):226(77147x), 1970.

PIL

ALIAGA, Y.

Administrative factors affecting the organization and  
conduct of health campaigns.

In: Inter-Amer. Meet. Foot-and-Mouth Dis. and

Zoonoses Contr., 2d, Rio de Janeiro, Brazil,

1969, p. 29-37. Washington, D.C., Pan Amer.

Health Organ., 142 p., 1970 (Sci. Publ. 196).

SF 793 I2

ANON.

Foot and mouth disease the importance of reporting  
suspected cases.

[Cattle, buffaloes, pig, sheep, goats, endemic.] 7

S. Pac. Bull. 18(4):36-37, 1968.

Biores. Index 6(2):823(9075), 1970.

PIL



FOOT-AND-MOUTH DISEASE

ANON.

Foot and mouth disease and malnutrition.  
J. Amer. Med. Ass. 211(11):1863, 1970.

PIL

ANON.

French F. and M. vaccine for Russia.  
New Sci. , February 5, 1970.  
Vet. Rec. 86(8):230, 1970.

PIL

ANON.

Milk carried virus in the big plague outbreak.  
Farmers Wkly. p. 42, September 5, 1969.  
Foot and Mouth Dis. Bull.(Wellcome Res. Labs., Kent)  
9(2):36(70/34), 1970.

SF 793 W4

ANON.

Resultados de la campana contra la fiebre aftosa.  
(Results of the campaign against foot-and-mouth disease.)  
--Editorial.  
Gac. Vet.(Buenos Aires) 31(233):641-642, 1969.

PIL

ARZUA PEREIRA, I.

Address by the Minister of Agriculture of Brazil.  
In: Inter-Amer. Meet. Foot-and-Mouth Dis. and  
Zoonoses Contr., 2d, Rio de Janeiro, Brazil,  
1969, p. IX-XII. Washington, D.C., Pan Amer.  
Health Organ., 142 p., 1970 (Sci. Publ. 196).

SF 793 I2

AYNAUD, J.M., and ASSO, J.

La souche lapinisee dite "chinoise" du virus de la  
peste porcine classique. (The "chinese"  
strain of lapinized hog cholera virus.)  
English summary, p. 138.  
Recl. Med. Vet. Ecole Alfort 146(2):119-139, 1970.

PIL

BECHMANN, G.

Versuche zur Wirksamkeitsprüfung von Maul-und  
Klauenseuche-Vaccinen an Mäusen. (Studies  
on the testing of foot-and-mouth disease  
vaccines in mice.)  
English summary, p. 298.  
Zentralbl. Veterinärmed., Reihe B 17(2):286-299, 1970.

PIL





FOOT-AND-MOUTH DISEASE

BOLDRINI, G.M.

Present position and recent developments regarding  
foot and mouth disease in the Near East.

1st Meet. Anim. Prod. & Health Comm. Near East,

Food Agr. Organ., Rome, p. , 1969.

Foot and Mouth Dis. Bull. (Wellcome Res. Labs., Kent)

9(3):44-45(70/44), 1970.

SF 793 W4

BORSELLA, J.

Foot-and-mouth disease campaign in Argentina: results,  
benefits, and projections.

In: Inter-Amer. Meet. Foot-and-Mouth Dis. and

Zoonoses Contr., 2d, Rio de Janeiro, Brazil,

1969, p. 58-65. Washington, D.C., Pan Amer.

Health Organ., 142 p., 1970 (Sci. Publ. 196).

SF 793 I2

CENTRO PANAMERICANO DE FIEBRE AFTOSA, Brasil.

Informe epidemiologico sobre fiebre aftosa y

estomatitis vesicular. (Foot-and-mouth

disease and vesicular stomatitis epidemiological

report.) Vol. 1, 1969 and Vol. 2, 1970.

SF 793 C41

COWAN, K.M.

Immunochemical studies of foot-and-mouth disease.

VI. Differences in antigenic determinant site

recognition by guinea pig 19S and 7S antibodies.

J. Immunol. 104(2):423-431, 1970.

PIL &  
#7251

DATT, N.S., and others.\*

Continuation of studies on the incidence and  
distribution of different types of foot-and-  
mouth disease virus in India. (Nouvelles etudes  
sur la frequence et la distribution des differ-  
ents types du virus aphteux en Inde.)

Bull. Off. Int. Epizoot. 71(9-10):1169-1173(E.),  
and 1175-1176(Fr.discussion), 1969.

\*C. Natarajan, B.U. Rao, B.S. Negi, and A.C. Goel.

PIL

DAWSON, P.S.

The involvement of milk in the spread of foot-and-  
mouth disease.

Vet. Rec. 85(6):148, 1969.

PIL

DOHOTARU, V., and others.\*

Vaccin antiaftos steril din virus natural

nefiltrat. (A sterile vaccine from non-  
filtrated natural FMD virus.)

English summary, p. 20.

In: Lucr. Inst. Cercet. Vet. Bioprep. "Pasteur"

Vol. 6:15-22, 1967, publ. 1969.

\*N. Muntiu, A. Bercan, A. Tomescu, and S. Voicu.

SF 745 I6





FOOT-AND-MOUTH DISEASE

EFIMOV, N.I.

Adaptation of the foot-and-mouth disease virus  
of the A1 variant to the baby rabbits.

--Abstract.

In: Anon. Materialy Konferentsii Molodykh Uchnykh.  
Vsesoyuznogo. Nauchno-Issledovatel'skogo  
Instituta Veterinarnoi Virusologii i Mikrobiol-  
ogii, (Information on the 1967 Conference of  
Young Scientists of the All-Union Res. Inst. Vet.  
Virol. and Microbiol. Moscow, USSR, p. 7-8, 1967.  
From Ref. Zh. Biol. 1968 No. 3B. 1967.

Biores. Index 6(2):947(14544), 1970.

PIL

EUSTAFIEVICI, O., and others.\*

Cercetari privind instalarea imunitatii antiaftoase  
postvaccinale la bovine prin determinarea DP<sub>50</sub>.  
(Studies on the post-vaccinal FMD immunity by  
PD<sub>50</sub> determination in cattle.)  
English summary, p. 11.

In: Lucr. Inst. Cercet. Vet. Bioprep. "Pasteur"  
Vol. 6:5-13, 1967, publ. 1969.

\*N. Muntiu, I. Gheorghiu, and V. Dohotaru.

SF 745 I6

FAYET, M.-T.

Concentration du virus de la fièvre aphteuse par le  
polyethylene glycol. (Concentration of foot-  
and-mouth disease virus in polyethylene glycol.)  
English summary, p. 356.

Ann. Inst. Pasteur(Paris) 118(3):356-366, 1970.

PIL

FREDERIKS, H.H.J.

Report to the Government of Thailand on the  
production of foot-and-mouth disease vaccine.

Rome, Food Agr. Organ. UN, UN Develop. Program.  
FAO Rep. No. TA 2703, 10 p., 1969.

#8368

FREIRE DE FARIA, J.

Foot-and-mouth disease campaign in Brazil: results  
and benefits.

In: Inter-Amer. Meet. Foot-and-Mouth Dis. and  
Zoonoses Contr., 2d, Rio de Janeiro, Brazil,  
1969, p. 66-68. Washington, D.C., Pan Amer.  
Health Organ., 142 p., 1970 (Sci. Publ. 196).

SF 793 I2

GALLOWAY, I.A., and ELFORD, W.J.

Filtration of the virus of foot-and-mouth disease through  
a new series of graded collodion membranes.

Brit. J. Exp. Pathol. 12(6):407-425, 1931.

#8379



FOOT-AND-MOUTH DISEASE

GHEORGHIU, I., and others.\*

Conservarea proprietatilor imunogene ale vaccinului antiافتos si durata imunitatii conferita animalelor vaccinate. (Immunogenicity conservation of a FMD vaccine and duration of immunity thereby induced in animals.)

English summary, p. 31.

In: Lucr. Inst. Cercet. Vet. Bioprep. "Pasteur"  
Vol. 6:23-33, 1967, publ. 1969.

\*E. Creanga, V. Dohotaru, O. Eustafievici, and Fl. Dan. SF 745 I6

GORSKII, B.V., and USHENINA, M.A.

Inactivation of type O hoof-and-mouth virus by changing the pH of the medium.

Uch. Zap. Kazan. Vet. Inst. 102:117-120, 1969 (R.).

Chem. Abstr. 72(14):305(70614p), 1970.

PIL

GREAT BRITAIN. MINISTRY OF AGRICULTURE.

Approval of foot-and-mouth disease disinfectants.

[Listing of thirteen disinfectants for use against foot-and-mouth disease.]

Vet. Rec. 86(9):266, 1970.

PIL

GREAT BRITAIN. PARLIAMENT.

Veterinary field service.

[ "...what steps were being taken to implement Recommendation 8, Group (ii) of Part 2 of the Northumberland Committee Report on the Outbreak of Foot-and-Mouth Disease in 1967-68;..." ]

Vet. Rec. 86(10):296, 1970.

PIL

GUERCHE, J., and others.\*

Seroprecipitation quantitative. Technique de controle appliquee en unite de production de vaccin antiaphteux.

English conclusion, p. 1195.

Bull. Off. Int. Epizoot. 71(9-10):1177-1199, 1969.

\*B. Guilloteau, M. Durand, M. Giraud, and P. Prunet.

PIL

GUSHIN, N.I.

Ob ekonomicheskoi otsenke veterinarnyikh meropriyatii po likvidatsii yashchura. (Economic evaluation of veterinary measures for the eradication of foot and mouth disease.)

Veterinariya(Moscow) 45(5):30-33, 1968 (R.).

Foot and Mouth Dis. Bull. (Wellcome Res. Labs., Kent) 9(2):38-39(70/38), 1970.

SF 793 W4

HENDERSON, W.M.

Foot-and-mouth disease and the slaughter policy.

Vet. Rec. 86(10):300, 1970.

PIL



FOOT-AND-MOUTH DISEASE

HORWITZ, A.

Address by the Director of the Pan American  
Sanitary Bureau.

In: Inter-Amer. Meet. Foot-and-Mouth Dis. and  
Zoonoses Contr., 2d, Rio de Janeiro, Brazil,  
1969, p. V-VIII. Washington, D.C., Pan Amer.  
Health Organ., 142 p., 1970 (Sci. Publ. 196).

SF 793 I2

INSTITUT FRANCAIS DE LA FIEVRE APTEUSE.

Process for the production of a vaccine against  
foot and mouth disease.

British Patent No. 1,152,934. Filed 29.11.67  
(22.6.67 France). Published 21.5.69.

Foot and Mouth Dis. Bull. (Wellcome Res. Labs., Kent)  
9(2):22-23(70/23), 1970.

SF 793 W4

INTER-AMERICAN MEETING ON FOOT-AND-MOUTH DISEASE AND

ZOOLOSES CONTROL. 2d. Rio de Janeiro, Brazil, 1969.

[Proceedings.] Washington, D.C., Pan American

Health Organization, 142 p. (Sci. Publ. 196), 1970. SF 793 I2

IRINEU CABRAL, J.

International credit and its importance in the  
campaign against animal diseases.

In: Inter-Amer. Meet. Foot-and-Mouth Dis. and  
Zoonoses Contr., 2d, Rio de Janeiro, Brazil,  
1969, p. 25-28. Washington, D.C., Pan Amer.  
Health Organ., 142 p., 1970 (Sci. Publ. 196).

SF 793 I2

ISRAEL. KIMBRON VETERINARY INSTITUTE. DEPARTMENT OF  
VIROLOGY, Beit Dagan.

Biological and immunological research on foot and mouth  
disease (FMDV). Non specific neutralizing activity  
of sera from Israeli Frisian cattle against  
different types of the virus. Submitted by: Ben-Ami  
Peleg, Elizabeth Kalmar, and Nily Ron. Report period  
January 1969-January 1970. (U.S. Pub. Law 480)

Israel Min. Agr., Annu. Rep. Res. No. 1, 16 p., 1970.

#8381

ISRAIL, M.

A decade of progress on research in animal health in  
East Pakistan.

Agriculture(Pakistan) 19:475-479, 1968.

Vet. Bull. 40(2):152(906), 1970.

PIL

LEANIZ RIVARA, R., TURNES, C.G., and Malfatto, R.

Demonstration zone for foot and mouth disease control  
in Uruguay.

Rev. Fac. Cienc. Vet. La Plata 10:257-261, 1968 (Sp.e.).

Vet. Bull. 40(2):100(544), 1970.

PIL





FOOT-AND-MOUTH DISEASE

- MAES, R.  
Attenuation of foot-and-mouth disease virus by  
chemical means.  
Arch. Gesamte Virusforsch. 29(1):63-76, 1970. PII
- MAES, R., and MESQUITA, J.  
High mutation rate of foot-and-mouth disease  
virus treated with hydroxylamine.  
Arch. Gesamte Virusforsch. 29(1):77-82, 1970. PII
- MIRCHAMSY, H., and others.\*  
Adverse effect of thiadiazolylcarbamic acid  
esters on measles and polio viruses in  
Vero cells. Brief report.  
Arch. Gesamte Virusforsch. 29(2-3):267-270, 1970.  
\*I. Lalezari, M. Kamaly, G. Niloufari, and N. Rezvani. PII
- MULHERN, F.J.  
Repercussions of the occurrence of foot-and-mouth  
disease in a disease-free area.  
In: Inter-Amer. Meet. Foot-and-Mouth Dis. and  
Zoonoses Contr., 2d, Rio de Janeiro, Brazil,  
1969, p. 90-96. Washington, D.C., Pan Amer.  
Health Organ., 142 p., 1970 (Sci. Publ. 196). SF 793 I2
- NETTO, L.P., and others.\*  
Ocorrencia da febre aftosa e estomatite vesicular  
no Estado de Sao Paulo, em 1968. (Occurrence  
of aphthous fever and vesicular stomatitis  
in the State of Sao Paulo in 1968 [horse 7.]  
Biologico(Sao Paulo) 34(10):226-228, 1968.  
Biol. Abstr. 50(17):9077(94121), 1969.  
\*A. A. Pinto, O. Suga, and O. Yida. PII
- OHLBAUM, A., and others.\*  
Target molecular weight of foot-and-mouth disease  
virus and poliovirus.  
J. Gen. Virol. 6(3):429-432, 1970.  
\*F. Figueroa, C. Grado, and G. Contreras. PII
- PINEDA AYALA, P.  
Planning of a foot-and-mouth disease control program.  
In: Inter-Amer. Meet. Foot-and-Mouth Dis. and  
Zoonoses Contr., 2d, Rio de Janeiro, Brazil,  
1969, p. 41-57. Washington, D.C., Pan Amer.  
Health Organ., 142 p., 1970 (Sci. Publ. 196). SF 793 I2
- RECZKO, E., and STROHMAIER, K.  
Electron microscopy of the RNA of foot-and-mouth  
disease virus.  
J. Gen. Virol. 7(1):65-69, 1970. PII





FOOT-AND-MOUTH DISEASE

ROZOV, A.A.

Disinfection of eggs and egg crates contaminated  
with foot and mouth disease virus.

Tr. Vses. Inst. Vet. Sanit. 32:445-447, 1969.

#8387

RWEYEMAMU, M.M.

Viral vaccines in veterinary medicine.

--Review article.

Vet. Bull. 40(2):73-82, 1970.

PIL

SINGH, K.P.

Incidence of "O" strain of foot and mouth disease  
in Bhutan.

Indian Vet. J. 47(1):86, 1970.

PIL

STRAVER, P.J., and others.\*

Some properties of carrier strains of foot-and-  
mouth disease virus.

Arch. Gesamte Virusforsch. 29(2-3):113-126, 1970.

\*P.H. Bool, A.M.J.M. Claessens, and J.G. van Bekkum.

PIL

SZYFRES, B.

Zoonoses, public health, and livestock development  
in Latin America.

In: Inter-Amer. Meet. Foot-and-Mouth Dis. and  
Zoonoses Contr., 2d, Rio de Janeiro, Brazil,  
1969, p. 99-103. Washington, D.C., Pan Amer.  
Health Organ., 142 p., 1970 (Sci. Publ. 196).

SF 793 I2

TASBULATOV, E.S.

Aerosol disinfection of abattoirs contaminated  
with foot and mouth disease virus.

Veterinariya(Moscow) (5):89-91, 1969 (R.).

Vet. Bull. 40(2):100(545), 1970.

PIL

TURRIAGO, G., and others.\*

Detection d'une nouvelle variante du virus  
aphteux type "A" de Colombie (A<sub>27</sub>).

Bull. Off. Int. Epizoot. 71(9-10):1155-1167, 1969.

\*C.A. Lobo A., M. Jaramillo, and A. Morales.

PIL

UECKER, E.

Intensive Rattenbekämpfung - Bestandteil des  
optimalen Seuchenschutzes. (Intensive rat  
control. An important element of optimum  
protection against epidemics.)

English summary, p. 901.

Monatsh. Veterinärmed. 24(23):897-901, 1969.

PIL

U.S. NATIONAL COMMUNICABLE DISEASE CENTER.

Another outbreak of foot and mouth disease hits Chile.

CDC Vet. Pub. Health Notes(USDHEW) p.2, March 1970.

CIRC.FILE



FOOT-AND-MOUTH DISEASE

VEGA, R.A., Jr.

Foot-and-mouth disease prevention program in the Darien area, Panama.

In: Inter-Amer. Meet. Foot-and-Mouth Dis. and Zoonoses Contr., 2d, Rio de Janeiro, Brazil, 1969, p. 82-89. Washington, D.C., Pan Amer. Health Organ., 142 p., 1970 (Sci. Publ. 196).

SF 793 I2

VELASCO, O.

Planning in animal health.

In: Inter-Amer. Meet. Foot-and-Mouth Dis. and Zoonoses Contr., 2d, Rio de Janeiro, Brazil, 1969, p. 21-24. Washington, D.C., Pan Amer. Health Organ., 142 p., 1970 (Sci. Publ. 196).

SF 793 I2

VELLANI, R.

Algunos aspectos relacionados con la transmision de tecnicas y la labor del medico veterinario sanitarista.

/El VI Curso Sobre Campanas Sanitarias 18 al 29 de Noviembre de 1968. La Plata. (The 6th Course over the Sanitary Campaign, November 18-29, 1968. La Plata.)

Gac. Vet.(Buenos Aires) 31(233):665-688, 1969.

PIL

VENKATASWAMI, V., and RAO, V.J.

Preliminary report on the effects of foot and mouth vaccination on semen quality of cross bred bulls. -- I.

Indian Vet. J. 47(1):23-29, 1970.

PIL

VILLEGAS DELGADO, M.

Foot-and-mouth disease campaign in Venezuela: results, benefits, and prospects.

In: Inter-Amer. Meet. Foot-and-Mouth Dis. and Zoonoses Contr., 2d, Rio de Janeiro, Brazil, 1969, p. 69-75. Washington, D.C., Pan Amer. Health Organ., 142 p., 1970 (Sci. Publ. 196).

SF 793 I2

WAGNER, G.G., and COWAN, K.M.

Neutralizing reactivities of 19 S and 7S antibodies to foot-and-mouth disease virus.

Fed. Proc. 29(2):435(1068), 1970.

PIL

WELLS, K.F.

Foot-and-mouth disease: eradication and preventive measures in Canada.

In: Inter-Amer. Meet. Foot-and-Mouth Dis. and Zoonoses Contr., 2d, Rio de Janeiro, Brazil, 1969, p. 76-81. Washington, D.C., Pan Amer. Health Organ., 142 p., 1970 (Sci. Publ. 196).

SF 793 I2



FOOT-AND-MOUTH DISEASE

WILD, T.F., and BROWN, F.

Replication of foot-and-mouth disease virus  
ribonucleic acid.

J. Gen. Virol. 7(1):1-11, 1970.

PIL

WITTMANN, G., BAUER, K., and MUSSGAY, M.

Versuche zur Schutzimpfung von Schweinen mit  
Vakzinen aus inaktiviertem Maul- und  
Klauenseuche (MKS)-Virus. II. Versuche mit  
Aethylaethylenimin (EEI)-inaktiviertem Virus  
und Diaethylaminoethyl-Dextran (DEAE-D) als  
Adjuvans. / Studies on the vaccination of pigs  
with vaccines of inactivated foot-and-mouth  
disease virus. II. 7

Arch. Gesamte Virusforsch. 29(2-3):139-158, 1970.

PIL

FOWL PLAGUE

LINDENMANN, J.

Viral oncolysis.

--Abstract.

Acta Univ. Carolinae Med. 13(7-8):638, 1967. ✓

Biores. Index 6(2):919(13326), 1970.

PIL

PURCHASE, H.S.

A study of cross-immunity with viruses of fowl-plague  
and observations on the duration of immunity. ✓

Brit. J. Exp. Pathol. 12(3):199-201, 1931.

#8378

RWEYEMAMU, M.M.

Viral vaccines in veterinary medicine.

--Review article. ✓

Vet. Bull. 40(2):73-82, 1970.

PIL

SCHILD, G.C., and NEWMAN, R.W.

Immunological relationships between the neuraminidases  
of human and animal influenza viruses. ✓

Bull. WHO 41(3-4-5):437-445, 1969.

PIL

TUMOVA, B., and EASTERDAY, B.C.

Relationship of envelope antigens of animal influenza  
viruses to human A2 influenza strains isolated ✓  
in the years 1957-68.

Bull. WHO 41(3-4-5):429-435, 1969. .

PIL

GOAT POX

PANDEY, R., and SINGH, I.P.

Cytopathogenicity and neutralization of goatpox  
virus in cell cultures.

Res. Vet. Sci. 11(2):195-197, 1970.

PIL





LOUPING ILL

BROTHERSTON, J.G., and BOYCE, J.B.

Immunogenic fragment antigens from tissue cultures  
infected with the virus of louping-ill  
(arbovirus group B).

J. Gen. Microbiol. 59(3):i, 1969.

PIL

CZARKOWSKA-GLADNEY, J., and HURST, E.W.

Some data concerning the infectivity, survival and  
powers of diffusion of the virus of "louping-ill".

Brit. J. Exp. Pathol. 12(6):426-430, 1931.

#8380

RWEYEMAMU, M.M.

Viral vaccines in veterinary medicine.

--Review article.

Vet. Bull. 40(2):73-82, 1970.

PIL

LUMPY SKIN DISEASE

RWEYEMAMU, M.M.

Viral vaccines in veterinary medicine.

--Review article.

Vet. Bull. 40(2):73-82, 1970.

PIL

NAIROBI SHEEP DISEASE

OHDER, H., LUND, L.J., and WHITELAND, A.P.

Observations on the growth and development of  
bluetongue, Nairobi sheep disease and Rift  
Valley fever viruses by fluorescnet antibody  
technique and titration in a tissue culture  
system.

Arch. Gesamte Virusforsch. 29(2-3):127-138, 1970.

PIL

RIFT VALLEY FEVER

OHDER, H., LUND, L.J., and WHITELAND, A.P.

Observations on the growth and development of  
bluetongue, Nairobi sheep disease and Rift  
Valley fever viruses by fluorescent antibody  
technique and titration in a tissue culture  
system.

Arch. Gesamte Virusforsch. 29(2-3):127-138, 1970.

PIL

RWEYEMAMU, M.M.

Viral vaccines in veterinary medicine.

--Review article.

Vet. Bull. 40(2):73-82, 1970.

PIL





RINDERPEST

EAST AFRICAN VETERINARY RESEARCH ORGANIZATION.

Muguga, Kenya.

Annual report 1968 (January - December). Nairobi, E.A.C.

(CPS) Printer, 105 p., 1969.

#3258/4

ISRAIL, M.

A decade of progress on research in animal health  
in East Pakistan.

Agriculture (Pakistan) 19:475-479, 1968.

Vet. Bull. 40(2):152(906), 1970.

PIL

MIRCHAMSY, H., SHAFYI, A., and BAHRAMI, S.

Use of Vero cells for titration of rinderpest  
virus and its neutralizing antibody.

Appl. Microbiol. 17(3):545-546, 1970.

PIL

NARASIMHAN, K.S., KRISHNAN, A.R., and QUAYAM, S.A.

Effect of rinderpest vaccination on spermatogenesis in bulls.

Indian Vet. J. 47(1):19-22, 1970.

PIL

PROVOST, A., BORREDON, C., and MAURICE, Y.

Essai de vaccination antirinderpestique de veaux  
passivement immuns par anticorps d'origine  
colostrale avec un vaccin inactive adjuve  
prepare en cultures cellulaires. (Rinderpest  
vaccination trial of colostrum immune calves  
with a cell-cultured inactivated and adjuvated  
vaccine.)

English summary, p. 478.

Rev. Elev. Med. Vet. Pays Trop. 22(4):473-479, 1969.

PIL

PROVOST, A., MAURICE, Y., and BORREDON, C.

Comportement clinique et immunologique, lors de  
contamination rinderpestique, de bovins vaccines  
depuis plusieurs annees contre la peste bovine  
avec des vaccins de cultures cellulaires.  
(Clinical and immunological behaviour during  
an exposure to rinderpest of rinderpest cell-  
culture vaccinated cattle.)

English summary, p. 463.

Rev. Elev. Med. Vet. Pays Trop. 22(4):453-464, 1969.

PIL

RIOCHE, M.

Adaptation en microtest de la technique de sero-  
neutralisation par la methode cinetique pour la  
recherche et le titrage des anticorps neutral-  
isant le virus de la peste bovine. (Adaptation  
in microtest of the seroneutralization technique  
by the kinetic method for the research and the  
titration of antibodies neutralizing the rinderpest virus.  
English summary, p. 470.

Rev. Elev. Med. Vet. Pays Trop. 22(4):465-471, 1969.

PIL



RINDERPEST

RWEYEMAMU, M.M.

Viral vaccines in veterinary medicine.

--Review article.

Vet. Bull. 40(2):73-82, 1970.

PIL

SASTRY, G.A.

A new method of evaluation of the potency of anti-rinderpest serum.

Indian Vet. J. 47(1):7-14, 1970.

PIL

YAMANOUCHI, K., and others.\*

Comparative immunofluorescent studies on measles, canine distemper, and rinderpest viruses.

Immunofluorescence of measles, distemper, and rinderpest viruses.

Arch. Gesamte Virusforsch. 29(1):90-100, 1970.

\*F. Kobune, A. Fukuda, M. Hayami, and A. Shishido.

PIL

SCRAPIE

BARLOW, R.M., and RENNIE, J.C.

Transmission experiments with a scrapie-like encephalopathy of mink.

J. Comp. Pathol. 80(1):75-79, 1970.

PIL

BUENING, G.M., and GUSTAFSON, D.P.

Enzymatic changes in astrocytes of mice affected with scrapie.

Fed. Proc. 29(2):289(242), 1970.

PIL

GIBBS, C.J., Jr., GAJDUSEK, D.C., and HARVEY, J.

Bibliography on scrapie. Bethesda, Maryland, National Institute of Neurological Diseases and Stroke, 67 p., [1969]7.

#8390

SHEEP POX

RWEYEMAMU, M.M.

Viral vaccines in veterinary medicine.

--Review article.

Vet. Bull. 40(2):73-82, 1970.

PIL

TESCHEN DISEASE

AYNAUD, J.M., and ASSO, J.

La souche lapinisee dite "chinoise" du virus de la peste porcine classique. (The "chinese" strain of lapinized hog cholera virus.)

English summary, p. 138.

Recl. Med. Vet. Ecole Alfort 146(2):119-139, 1970.

PIL



TESCHEN DISEASE

HASEK, P.

Antibody formation in newborn germfree piglets  
after oral monocontamination with a virulent  
Teschén disease virus (TDV).

Fed. Proc. 29(2):285(219), 1970.

PIL

SZENT-IVANYI, T., and SZEKY, A.

Pathogenicity studies of type I/2 porcine enterovirus.

Acta Vet. Acad. Sci. Hung. 17(2):189-208, 1967.

Biol. Abstr. 50(4):1986(20820), 1969.

PIL

VENEZUELAN EQUINE ENCEPHALOMYELITIS

AIRHART, J.W., TREVINO G.S., and CRAIG, C.P.

Alterations in immune responses by attenuated  
Venezuelan equine encephalitis vaccine.

II. Pathology and soluble antigen localization  
in guinea pig

J. Immunol. 102(4):1228-1234, 1969.

PIL

BROWN, A., and others.\*

Use of an antiglobulin plaque neutralization test  
among group A arboviruses.

Proc. Soc. Exp. Biol. Med. 130(3):718-722, 1969.

\*V.Elsner, E. Zebowitz, and W.P. Allen.

PIL

CRAIG, C.P., and others.\*

Alterations in immune responses by attenuated  
Venezuelan equine encephalitis vaccine.

I. Adjuvant effect of VEE virus infection  
in guinea pigs.

J. Immunol. 102(5):1220-1227, 1969.

\*S.L. Reynolds, J.W. Airhart, and E.V. Staab.

PIL

DANES, L., and HRUSKOVA, J.

Efficiency testing of passive immunization against  
Venezuelan equine encephalomyelitis in mice.

Acta Virol. 13(6):554-556, 1969.

PIL

EMEL'YANOV, B.A., and MNASTYREVA, L.A.

Izuchenie vazimodeiatsiya virusa entsefalita San-Lui  
s kletkami tsvetnykh kul'tur. (Study of the  
interaction of St. Louis encephalitis virus  
with tissue culture cells.)

English summary

Vop. Virusol. (4):403-407, 1969.

Biol. Abstr. 51(4):1003(10235), 1970.

PIL





VENEZUELAN EQUINE ENCEPHALOMYELITIS

HAHON, N.

Neutralization of residual infectivity of Venezuelan equine encephalomyelitis virus by anti-gamma globulin.

J. Gen. Virol. 6(3):361-372, 1970.

PIL

HALLE, S.

5-azacytidine as a mutagen for arboviruses.

J. Virol. 2(10):1228-1229, 1968.

PIL

HRUSKOVA, J., DANES, L., and KLIMENT, V.

Venezuelan equine encephalomyelitis virus: determination of inhalation LD<sub>50</sub> for guinea pigs and mice.

Acta Virol. 13(3):203-208, 1969.

PIL

HRUSKOVA, J., and others.\*

Experimental inhalation infection of mice with Venezuelan equine encephalomyelitis virus.

Acta Virol. 13(6):550-563, 1969.

\*L. Danes. A. Jelinkova, J. Kruml, and V. Rychterova.

PIL

LIKOSKY, W.H., and MCGOWAN, J.E., Jr.

Encephalitis, United States, 1966-1968.

J. Infec. Dis. 121(4):457-458, 1970.

PIL

MORILLA-GONZALEZ, A., and MUCHA-MACIAS, J. de

Estudio de una epizootia de encefalitis equina de Venezuela ocurrida en Tamaulipas, Mexico. (Study of the epizootic of Venezuelan equine encephalitis in Tamaulipas, Mexico.) English summary.

Rev. Invest. Salud. Publ. 29(1):3-20, 1969.

Biol. Abstr. 51(3):1536(15939), 1970.

PIL

NEGRETTE, A.

Venezuelan equine encephalitis a study of the leukocytes.

--Abstract.

Acta Cient. Venez. 19(1):14, 1968.

Biores. Index 6(2):830(9401), 1970.

PIL

PRIAS LANDINEZ, E.

Personal communication (Feb. 3, 1970).

Cited in: Arthropod-Borne Information Exchange - Cards rec'd. 4-21-70.\*\*

\*\*

REITMAN, M.

Nonviable Venezuelan equine encephalomyelitis hemagglutinin prepared from tissue cultures by gamma radiation.

Appl. Microbiol. 18(2):278-279, 1969.

PIL





VENEZUELAN EQUINE ENCEPHALITIS

REVTA VENEZ. SANID. ASIST. SOC.

Mesa redonda sobre "encefalitis equina Venezolana".  
(Round table conference on Venezuelan equine encephalitis.)

III. Congreso Venezolano de Salud Publica,  
20 al 27 Marzo de 1966, Caracas.

Rev. Venez. Sanid. Asistencia Soc. 31(3,Suppl.):  
p. , 1966.

Cited in: Arthropod-Borne Information Exchange -  
Cards rec'd. 4-21-70.\*\*

REYNOLDS, S.L., and others.\*

Antibody responses in rhesus monkeys exposed  
to whole-body X-irradiation.

Radiat. Res. 35(2):451-457, 1968.

Biol. Abstr. 50(3):1425(14930), 1969.

\*C.P. Craig, H.W. Whitford, J. Airhart, and E.V. Staab.

PIL

RYDER, S.

Venezuelan equine encephalitis antibodies in the  
State of Zulia 1967.

--Abstract.

Acta Cient. Venez. 19(1):43, 1968.

Biores. Index 6(2):832(9469), 1970.

PIL

SUAREZ, O.M.

Datos entomologicos sobre la epidemia de encefalitis  
equina en Venezuela, 1962-1964. (Entomological  
data on the equine encephalitis outbreak in  
Venezuela, 1962-1964.)

Rev. Venez. Sanid. Asistencia Soc. 31(Suppl.3):  
873-877, 1966.

Biol. Abstr. 51(4):2118(21891), 1970.

PIL

ZHDANOV, V.M., ERSHOV, F.I., and URYVAEV, L.V.

Kharakteristika RNK, sinteziruemykh v kletkakh,  
zarazhennykh virusom venesuel'skogo entsefal-  
omielita loshadei. (Characteristics of RNA  
synthesized in cells infected with Venezuelan  
equine encephalomyelitis virus.)

English summary.

Vop. Virusol. 14(3):292-298, 1969.

Biol. Abstr. 51(2):979(9986), 1970.

PIL

ZLOTNIK, I.

The reaction of astrocytes to acute virus infections  
of the central nervous system.

Brit. J. Exp. Pathol. 49(6):555-564, 1968.

PIL



VESICULAR STOMATITIS

BROTHERSTON, J.G., and BOYCE, J.B.

Immunogenic fragment antigens from tissue cultures infected with the virus of louping-ill (arbovirus group B).

J. Gen. Microbiol. 59(3):i, 1969.

PIL

CARTWRIGHT, B., SMALE, C.J., and BROWN, F.

Dissection of vesicular stomatitis virus into the infective ribonucleoprotein and immunizing components.

J. Gen. Virol. 7(1):19-32, 1970.

PIL

CENTRO PANAMERICANO DE FIEBRE AFTOSA, Brasil.

Informe epidemiologico sobre fiebre aftosa y estomatitis vesicular. (Foot-and-mouth disease and vesicular stomatitis epidemiological report.) Vol. 1, 1969 and Vol. 2, 1970.

SF 793 Ch1

CLAES, P., and others.\*

Polyacetal carboxylic acids: a new group of antiviral polyanions.

J. Virol. 5(3):313-320, 1970.

\*A. Billiau, E. De Clercq, J. Desmyter, E. Schonne, H. Vanderhaeghe, and P. De Somer.

PIL

CLINE, B.L.

Proposed hypothesis for transmission of VSV.

J. Amer. Vet. Med. Ass. 156(7):813, 1970.

PIL

DE CLERCQ, E., ECKSTEIN, F., and MERIGAN, T.C.

Interferon induction increased through chemical modification of a synthetic polyribonucleotide.

Science(Washington) 165(3898):1137-1139, 1969.

PIL

EVANS, R.

Further studies on the replication of the lactate dehydrogenase-elevating virus (LDH virus) in mouse peritoneal macrophage cultures.

Proc. Soc. Exp. Biol. Med. 133(3):831-836, 1970.

PIL

FALCOFF, R., and FALCOFF, E.T.

Induction de la synthese d'interferon par des RNA bicatenaires. I. Application a l'etude du cycle de multiplication du virus Mengo.

Biochim. Biophys. Acta 182(2):501-510, 1969.

PIL

FALCOFF, R., and FALCOFF, E.

Induction de la synthese d'interferon par des RNA bicatenaires. II. Etude de la forme intermediaire de replication du virus Mengo.

Biochim. Biophys. Acta 199(1):147-158, 1970.

PIL



VESICULAR STOMATITIS

- FENJE, P., and POSTIC, B.  
Protection of rabbits against experimental rabies  
by poly I-poly C.  
Nature(London) 226(5241):171-172, 1970. PHL
- GROGAN, E.A., ENDELE, J.F., and MILLER, G.  
Trypsinized placental cell cultures for the  
propagation of viruses and as "feeder layers".  
J. Virol. 5:406-409, 1970. PHL
- HAASE, A.T., and others.\*  
Induction of interferon in lymphoblastoid cell lines.  
Proc. Soc. Exp. Biol. Med. 133(3):1076-1083, 1970.  
\*J.S. Johnson, J.R. Kasel, S. Margolin, and H.B. Levy. PHL
- HILL, D.A., BARON, S., and CHANOCK, R.M.  
The effect of an interferon inducer on influenza virus.  
Bull. WHO 41(3-4-5):689-693, 1969. PHL
- HILLEMAN, M.R.  
Prospects for the use of double-stranded ribonucleic  
acid (poly I:C) inducers in man.  
J. Infec. Dis. 121(2):196-211, 1970. PHL
- HO, M., and KE, Y.H.  
The mechanism of stimulation of interferon production  
by a complex polyribonucleotide.  
Virology 40(3):702, 1970. PHL
- HOERNI, J.  
Growth of vesicular stomatitis virus in Ehrlich ascites  
tumour cells. An electron microscopic study.  
Pathol. Microbiol. 33(4):215-233, 1969.  
Cited in: Arthropod-Borne Information Exchange -  
Cards rec'd. 4-21-70.\*\*
- LAUFS, R., and WALKER, W.  
Metabolic and virologic studies in primate liver  
organ cultures.  
Proc. Soc. Exp. Biol. Med. 133(3):1006-1017, 1970. PHL
- McSHARRY, J., and BENZINGET, R.  
Concentration and purification of vesicular stomatitis  
virus by polyethylene glycol "precipitation".  
Virology 40(3):745-746, 1970. PHL



VESICULAR STOMATITIS

MINNEFOR, A.B., and others.\*

Production of interferon by long-term suspension cultures of leukocytes derived from patients with viral and nonviral diseases.

J. Infec. Dis. 121(4):442-444, 1970.

\*C.C. Halsted, D.S.Y. Seto, P.R. Glade, G.E. Moore, and D.H. Carver.

PIL

MYERS, W.L., SEGRE, D., and EL-ZEIN, A.

Equine infectious anemia: reports of progress in research.

J. Amer. Vet. Med. Ass. 155(2):352-354, 1969.

PIL

NAKAI, T.

Studies of ultrastructure and biophysical properties of vesicular stomatitis virus.

--Abstract.

Leukemic model. 7

Leuk. Soc. Amer. Res. Inc. Annu. Sch. Fellow. Meet. 3:1, 1968.

Biores. Index 6(2):925(13546), 1970.

PIL

NETTO, L.P., and others.\*

Ocorrência de febre aftosa e estomatite vesicular no Estado de São Paulo, em 1968. (Occurrence of aphthous fever and vesicular stomatitis in the State of São Paulo in 1968 [horse 7.] Biologico(São Paulo) 34(10):226-228, 1968.

Biol. Abstr. 50(17):9077(94121), 1969.

\*A.A. Pinto, O. Suga, and O. Yida.

PIL

PEREZ CHAVERRI, E.

La estomatitis vesicular como zoonosis.

(Vesicular stomatitis as a zoonosis.)

English summary, p. 228-229.

Bol. Of. Sanit. Panamer. 68(3):223-229, 1970.

PIL

POLLIKOFF, R.

Investigations on vesicular stomatitis virus infection of rabbit cornea.

--Abstract.

In Vitro 172, 1969.

Biores. Index 6(2):801(8143), 1970.

PIL

ROSENQUIST, B.D., and LOAN, R.W.

Interferon induction in the bovine species by infectious bovine rhinotracheitis virus.

Amer. J. Vet. Res. 30(8):1305-1312, 1969.

PIL





VESICULAR STOMATITIS

- ROSENQUIST, B.D., and LOAN, R.W.  
Production of circulating interferon in the bovine species.  
Amer. J. Vet. Res. 30(8):1293-1303, 1969. PII
- ROZEE, K.R., KATZ, L.J., and McFARLANE, E.S.  
Interferon stimulation of methylase activity in L-cells.  
Can. J. Microbiol. 15(8):969-971, 1969. PII
- SATHER, G.E., and others.\*  
Sawgrass virus: a newly described arbovirus in Florida.  
Amer. J. Trop. Med. Hyg. 19(2):319-326, 1970.  
\*A.L. Lewis, W. Jennings, J.O. Bond, and W.McD. Hammon. PII
- SHOPE, R.E.  
Personal communication (Feb. 19, 1970).  
Cited in: Arthropod-Borne Information Exchange -  
Cards rec'd. 4-21-70.\*\* \*\*
- SOLOV'EV, V.D.  
The results of controlled observations on the prophylaxis of influenza with interferon.  
Bull. WHO 41(3-4-5):683-688, 1969. PII
- TSUCHIYA, Y., and TAGAYA, I.  
Enhanced or inhibited plaque formation of super-infecting viruses in Yaba virus-infected cells.  
J. Gen. Virol. 7(1):71-73, 1970. PII
- U.S. NATIONAL INSTITUTES OF HEALTH. NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES. RESEARCH REFERENCE REAGENTS BRANCH.  
Reference reagents available for research.  
J. Infec. Dis. 121(4):460-461, 1970. PII

MISCELLANEOUS

- ALLARDYCE, R.A., HUNTER, R.D., and JAMES, K.  
Effect of adjuvants on the immunosuppressive properties of antilymphocytic globulin.  
Nature(London) 225(5238):1141-1142, 1970. PII
- ANON.  
Find how drug acts on virus.  
["The drug under study by ... is rifampicin, a chemical derivative of rifamycin B."]  
Lab. Manage. 8(3):25, 1970. PII
- ANON.  
Good news on poly-I:C.  
Nature(London) 225(5238):1103-1104, 1970. PII



MISCELLANEOUS

ANON.

Handling corrosive waste.  
Lab. Manage. 8(3):38-40, 1970.

PIL

ANON.

Immunological activities.  
[Poly I.poly C, 7  
Nature(London) 226(5241):108-109, 1970.

PIL

ANON.

More on hepatitis virus.  
[ "The association between hepatitis and  
Australia antigen (Au/SH) ..." 7  
Lancet 1(7649):706-707, 1970.

PIL

ANON.

Tissue culture.  
[ "Researcher develops semi-automatic system  
for perfusion of tissue in culture; commercial  
version to become available this year." 7  
Lab. Manage. 8(3):35-36, 1970.

PIL

ARCHER, G.T., NELSON, M., and JOHNSTON, J.

Eosinophil granule lysis in vitro induced by  
soluble antigen-antibody complexes.  
Immunology 17(5):777-787, 1969.

PIL

ATKINS, R.C., ROBINSON, W.A., and EISEMAN, B.

The enhancing effect of bone marrow cells on the  
primary immune response of the isolated  
perfused spleen.  
J. Exp. Med. 131(4):833-842, 1970.

PIL

BAUSEK, G.H., and MERIGAN, T.C.

Simultaneous viral and non-viral interferon  
production in human cell cultures.  
Proc. Soc. Exp. Biol. Med. 133(3):982-985, 1970.

PIL

BECKER, E.L., and HAYDEN, A.R.

The determination of antigen and antibody concen-  
trations in absolute weight units by means of  
the serum agar technique of Oudin.  
Fed. Proc. 19(1,Part1):206(32), 1960.

PIL

BERNARDINI, A., IMPERATO, S., and PLESCIA, O.U.

Induction of antibody synthesis. Effect of  
blocking defined determinants of an antigen.  
Immunology 18(2):187-201, 1970.

PIL



MISCELLANEOUS

- BILLIAU, A., and SCHONNE, T.  
Induction of the interferon mechanism by natural RNA.  
Life Sci. 9 (2, Part 2):69-78, 1970.  
Chem. Titles No. 7:183(LIFSAK 0069), 1970. PII
- BILLIAU, A., DESMYTER, J., and De SOMER, P.  
Antiviral activity of chlorite-oxidized  
oxyamylose, a polyacetal carboxylic acid.  
J. Virol. 5(3):321-328, 1970. PII
- BLOUGH, H.A., and MERLIE, J.P.  
The lipids of incomplete influenza virus.  
Virology 40(3):685-692, 1970. PII
- BRIGHTON, W.D., and LAMPARD, J.E.  
Impurities in conjugated globulins for  
immunofluorescence techniques.  
Immunology 18(2):319-321, 1970. PII
- BURNET, F.M.  
A certain symmetry: histocompatibility antigens  
compared with immunocyte receptors.  
Nature(London) 226(5241):123-126, 1970. PII
- BUTLER, J.E.  
Bovine immunoglobulins: a review.  
J. Dairy Sci. 52(12):1895-1909, 1969. #8382
- CAMPBELL, P.N.  
Functions of polyribosomes attached to membranes  
of animal cells.  
FEBS Lett. 7(1):1-7, 1970. PII
- CHARDONNET, Y., and DALES, S.  
Early events in the interaction of adenoviruses  
with HeLa cells. I. Penetration of type 5  
and intracellular release of the DNA genome.  
Virology 40(3):462-477, 1970. PII
- CHARDONNET, Y., and DALES, S.  
Early events in the interaction of adenoviruses  
with HeLa cells. II. Comparative observations  
on the penetration of types 1, 5, 7, and 12.  
Virology 40(3):478-485, 1970. PII
- CHIDLOW, J.W., STEPHEN, J., and SMITH, H.  
Separation of antigens by immunological specificity.  
Studies on the desorption of homologous antigen  
from disulphide-linked antibody immunosorbents.  
Biochem. J. 117(1):49-55, 1970. PII





MISCELLANEOUS

COE, J.E.

The immune response in the hamster. II. Studies on IgM.  
Immunology 18(2):223-236, 1970.

PIL

COOPER, P.D., WENTWORTH, B.B., and McCAHON, D.

Guanidine inhibition of poliovirus: a dependence  
of viral RNA synthesis on the configuration of  
structural protein.

Virology 40(3):486-493, 1970.

PIL

DANE, D.S., CAMERON, C.H., and BRIGGS, M.

Virus-like particles in serum of patients with  
Australia-antigen-associated hepatitis.

Lancet 1(7649):695-698, 1970.

PIL

DANIELS, C.A., and others.\*

Neutralization of sensitized virus by purified  
components of complement.

Proc. Nat. Acad. Sci. U.S.A. 65(3):528-535, 1970.

\*T. Borsos, H.J. Rapp, R. Snyderman, and A.L. Notkins.

PIL

DOLBY, A.E.

Recurrent aphthous ulceration. Effect of sera and  
peripheral blood lymphocytes upon oral  
epithelial tissue culture cells.

Immunology 17(5):709-714, 1969.

PIL

DUBIN, D.T., and MONTENECOURT, B.S.

Mitochondrial RNA from cultured animal cells.

Distinctive high-molecular-weight and 4 s  
species.

J. Mol. Biol. 48(2):279-295, 1970.

PIL

DuBUY, H.G., and JOHNSON, M.L.

Effect of actinomycin D on lactic dehydrogenase  
virus multiplication in mouse macrophages.

Proc. Soc. Exp. Biol. Med. 133(3):1023-1025, 1970.

PIL

EAGLE, H., and others.\*

Growth characteristics of virus-transformed cells.

Maximum population density, inhibition by  
normal cells, serum requirement, growth in  
soft agar, and xenogeneic transplantability.

J. Exp. Med. 131(4):863-879, 1970.

\*G.E. Foley, H. Koprowski, H. Lazarus, E.M. Levine  
and R.A. Adams.

PIL



MISCELLANEOUS

- EASTON, B.C.  
Discussion on antigenic relationships of animal  
and human influenza viruses.  
Bull. WHO 41(3-4-5):486-487, 1969. PII
- ELFOR, W.J.  
A series of graded collodion membranes suitable  
for general bacteriological use, especially  
in filterable virus studies.  
J. Pathol. Bacteriol. 34(4):505-521, 1931. #8374
- FOLK, J.F., and AFTONOMOS, B.  
Use of pronase in tissue culture: a  
comparison with trypsin.  
J. Cell. Physiol. 75(2):159-161, 1970. PII
- FRAZZI, P., and GIACOMETTI, G.  
Suscettibilita ad alcuni virus di sette diverse  
linee cellulari stabilizzate in vitro.  
(Susceptibility to certain viruses of seven  
different cell lines stabilized in vitro.)  
Boll. Ist. Sieroter. Milan. 48(2):108-113, 1969.  
Excerpta Med.; Microbiol., Sect. 4, 23(1):32(156), 1970. PII
- FRANKS, T.C., and PAUL, W.E.  
Inhibition by hapten of cellular immune responses  
to a hapten-protein conjugate.  
Nature(London) 226(5241):173-174, 1970. PII
- FRANK, E.K.  
A mathematical model of synchronized periodic  
growth of cell populations.  
J. Theor. Biol. 26(3):373-382, 1970. PII
- GALLINA, E.  
The Veterinary Service and the profession in Italy.  
Vet. Rec. 86(9):257-258, 1970. PII
- GAY, F.W., CLARKE, J.K., and DERMOTT, E.  
Direct cell to cell transfer of Bittner virus.  
J. Gen. Virol. 7(1):75-79, 1970. PII
- GEWITZ, H., and others.\*  
Interactions of the complement system with endotoxic  
lipopolysaccharides in immunoglobulin-  
deficient sera.  
J. Exp. Med. 131(4):817-831, 1970.  
\*R.J. Pickering, R. Snyderman, L.M. Lichtenstein,  
R.A. Good, and S.E. Mergenhagen. PII



MISCELLANEOUS

GLICK, C.A., and WEDUM, A.G.

Leak tests by high-velocity impact of infectious specimen containers.

Pub. Health Rep. 84(9):783-786, 1969.

PIL

GOURLAY, R.N.

Isolation of a virus infecting a strain of

Mycoplasma laidlawii.

Nature(London) 225(5238):1165, 1970.

PIL

HANNAH, H.W.

Reporting communicable animal diseases.

["This listing (as of Jan. 1, 1967) includes 14 enzootic diseases in the United States and 9 diseases not known to exist in the United States."]

J. Amer. Vet. Med. Ass. 156(7):821, 1970.

PIL

HARSTAD, J.B., and FILLER, M.E.

Evaluation of air filters with submicron viral aerosols and bacterial aerosols.

Amer. Ind. Hyg. Ass. J. 30:280-290, 1969.

#8376

HAYDEN, A.R.

Quantitative precipitin reactions in Oudin tubes: the effect of treatment of antisera on the optical density.

Fed. Proc. 24(2,Part 1):694(3121), 1965.

PIL

HAYDEN, A.R., and BECKER, E.L.

Antigen-antibody reactions in agar. IX. Treatment of antisera and optical densities of precipitin reactions.

J. Immunol. 102(6):1398-1403, 1969.

PIL

HEMERT, P. van, KILBURN, D.G., and WEZEL, A.L.

Homogenous cultivation of animal cells for the production of virus and virus products.

Biotechnol. Bioeng. 11(5):875-885, 1969.

Foot and Mouth Dis. Bull. (Wellcome Res. Labs., Kent) 9(3):62, 1970.

SF 793 W1

HILLEMAN, M.R.

Use of poly I-poly C in the prophylaxis and treatment of acute viral infections.

Bull. WHO 41(3-4-5):696-697, 1969.

PIL

HODSON, P.H.

Continuous monitoring of oxygen concentrations in air-purged shake-flask fermentations.

Appl. Microbiol. 19(3):551-554, 1970.

PIL





MISCELLANEOUS

- HYSLIP, N.E., Jr., and others.\*  
The fixation of complement and the activated first component (C1) of complement by complexes formed between antibody and divalent hapten.  
J. Exp. Med. 131(4):783-802, 1970.  
\*R.R. Dourmashkin, N.M. Green, and R.R. Porter. PIL
- INTERNATIONAL CONFERENCE ON HONG KONG INFLUENZA.  
Atlanta, Georgia, October 14-16, 1969.  
Proceedings.  
In: Bull. WHO 41(3-4-5):335-748, 1969. PIL
- JACHERTS, D., and DRESCHER, J.  
Antibody response in rhesus monkeys and guinea pigs to inoculation with RNA derived from antigenically stimulated cell-free systems.  
J. Immunol. 104(3):746-752, 1970. PIL
- JOSHI, N., and ROBITALLE, G.  
Enhancing effect of proteolytic enzymes on interferon production.  
Can. J. Microbiol. 16(3):206-207, 1970. PIL
- KAHANE, I., and RAZIN, S.  
Immunological analysis of mycoplasma membranes.  
J. Bacteriol. 100(1):187-194, 1969. PIL
- KAHANE, I., and RAZIN, S.  
Synthesis and turnover of membrane protein and lipid in Mycoplasma laidlawii.  
Biochim. Biophys. Acta 183(1):79-89, 1969. PIL
- KAROW, A.M., Jr.  
Cryoprotectants -- a new class of drugs.  
J. Pharm. Pharmacol. 21:209-223, 1969.  
Foot and Mouth Dis. Bull. (Wellcome Res. Labs., Kent) 9(2):21-22(70/22), 1970. SF 793 W4
- KERMAN, R., SEGRE, D., and MYERS, W.L.  
The role of immune and natural specific antibodies in immunologic paralysis and immunity of mice to pneumococcal polysaccharide type III.  
J. Immunol. 104(3):656-664, 1970. PIL
- KHAN, A., and HILL, J.M.  
Suppression of skin hypersensitivity and antibody formation by asparaginase.  
J. Immunol. 104(3):679-684, 1970. PIL





MISCELLANEOUS

KIT, S., NAKAJIMA, K., and DUFF, D.R.

Transfer RNA methylase activities of SV40-transformed cells and cells infected with animal viruses.

Cancer Res. 30(2):528-531, 1970.

PIL

KNOFF, H.L.S., and others.\*

Analysis of the neutralizing activity in nasal wash and serum following intranasal vaccination with inactivated type 33 rhinovirus.

J. Immunol. 104(3):566-572, 1970.

\*J.C. Perkins, D.M. Bertram, A.Z. Kapikian, and R.M. Chanock.

PIL

LEY, K.D., and BURGER, D.

Cell-associated nature of cottontail rabbit herpesvirus in vitro.

Appl. Microbiol. 19(3):547-550, 1970.

PIL

MackELLAR, J.C.

Collection of blood samples and smears for diagnosis.

Vet. Rec. 86(11):302-306, 1970.

PIL

MAGUIRE, H.C., Jr.

A unique rapid enhancement of adjuvant of delayed hypersensitivity to protein antigens in the guinea pig.

Int. Arch. Allergy Appl. Immunol. 38(4):427-441, 1970.

PIL

MARTONE, F., and others.

Ricerche sulla presenza di anticorpi I.E.A. verso i virus influenzali animali (equino, suino, anatra) e umani (A/PR-8 - B/Lee - A2/Singapore) nei sieri di persone della Provincia di Napoli.

[Researches on the presence of I.E.A. antibodies against animal (equine, swine, duck) and human (A/PR-8 - B/Lee - A2/Singapore) influenza viruses in sera sampled from people in the Province of Naples.] English translation, p. 661-685.

Vet. Ital. 20(11-12):631-660(I.), and 661-685(E.), 1969.

\*M. Compagnucci, P. Pagnini, and A. Vaccaro.

PIL

MAYR, A., and others.\*

A bovine adenovirus isolated from lymph nodes of cattle. Brief report.

Arch. Gesamte Virusforsch. 29(2-3):271-273, 1970.

\*G. Witzigmann, B. Bibrack, and P.A. Bachmann.

PIL



## MISCELLANEOUS

- MILLER, J.F.A.P., and MITCHELL, G.F.  
 Cell to cell interaction in the immune response.  
 V. Target cells for tolerance induction.  
 J. Exp. Med. 131(4):675-699, 1970. PII
- MILLMAN, I., and others.\*  
 Australia antigen-antibody complexes.  
 Nature(London) 226(5240):83-84, 1970.  
 \*W.T. London, A.I. Sutnick, and B.S. Blumberg. PII
- MOULTON, J.E., and SACHS, R.  
 Verminous pneumonia in East African antelopes.  
 J. Comp. Pathol. 80(1):169-172, 1970. PII
- NASH, D.R., and HEREMANS, J.F.  
 A quantitative antibody-binding method for the  
 determination of specific antibody within  
 different immunoglobulin classes. Application  
 to four Ig classes in the mouse.  
 Immunology 17(5):685-694, 1969. PII
- NORREY, E.  
 The purification of virus vaccines.  
 Lab. Pract. 19(1):54-57, 1970.  
 Foot and Mouth Dis. Bull. (Wellcome Res. Labs., Kent)  
 9(3):62, 1970. SF 793 W4
- PINCUS, T., and others.\*  
 Inability to induce tolerance to bovine gamma  
 globulin in mice infected at birth with  
 lymphocytic choriomeningitis virus.  
 Proc. Soc. Exp. Biol. Med. 133(3):986-988, 1970.  
 \*W.P. Rowe, P.J. Staples, and N. Talal. PII
- PITTILLO, R.F., and WOOLLEY, C.  
 Microbiological assay and tissue distribution of  
 B-thioguanine deoxyriboside in mice.  
 Appl. Microbiol. 19(3):538-540, 1970. PII
- PROPP, R.P., and ALPER, C.A.  
 Rabbit C3: isolation and characterization of  
 reactions in vitro and during in vivo  
 antigen-antibody interaction.  
 Immunology 17(5):695-707, 1969. PII
- RICHTER, M., ROSE, B., and ABDOL, N.I.  
 Cells involved in the immune response. XV. The organ  
 source of the antigen reactive cells in the  
 normal rabbit.  
 Int. Arch. Allergy Appl. Immunol. 38(3):269-281, 1970. PII



MISCELLANEOUS

- ROGERS, J.L., and ORR, H.C.  
Adaptation of a roller -tube apparatus to  
accommodate cultivation of cells in  
roller-bottles.  
Appl. Microbiol. 19(3):541, 1970. PII
- ROSENSTEEL, J.F., JORDAN, W.C., and DANIELS, W.F.  
Growth potential of a variation of Eagle's minimum  
essential medium for spinner cultures.  
Biotechnol. Bioeng. 11:263-266, 1969. #8377
- SELLERS, R.F.  
Production of veterinary vaccines in mammalian  
cell cultures.  
Lab. Pract. 19(1):42-44, 1970.  
Foot and Mouth Dis. Bull.(Wellcome Res. Labs., Kent)  
9(3):62, 1970. SF 793 W4
- SHEAFF, E.T., and STEWART, R.B.  
Interaction of interferon with cells: induction  
of antiviral activity.  
Can. J. Microbiol. 15(8):941-953, 1969. PII
- SHULMAN, S., and WYPYCH, J.  
Kidney antigens active in isoimmunization.  
I. The antigenic diversity.  
Immunology 17(5):641-652, 1969. PII
- SOHIER, R., and SEPETDJIAN, M.  
Les infections a mycoplasmes chez l'homme.  
(Mycoplasma infection in man.)  
Presse Med. 76:2457, 1968.  
Zentralbl. Bakteriол., Parasitenk., Infektionskr.  
Hyg. I. Abt. Ref. 219(6):515-516, 1970. PII
- STEVENSON, G.T., EISEN, H.N., and JONES, R.H.  
The problem of hapten persistently bound to antibody.  
Biochem. J. 116(1):151-153, 1970. PII
- TALMAGE, D.W., and others.\*  
Antigen elimination from the blood as an early  
manifestation of the immune response.  
J. Immunol. 67:243-255, 1951. PII  
\*F.J. Dixon, S.C. Bukantz, and G.J. Dammin.
- TAMURA, N.  
An incompatibility in the reaction of the second component  
of human complement with the fourth component of  
guinea-pig complement.  
Immunology 18(2):203-212, 1970. PII





ISCELLANEOUS

TAYLOR, M.W., and others.\*

Virus-induced regression of tumor growth.

J. Nat. Cancer Inst. 44(3):515-519, 1970.

\*J.N. Davidson, C. Land, and R. Wall.

PIL

TAYLOR-ROBINSON, D., WILLIAMS, M.H., and HAIG, D.A.

The isolation and comparative biological and physical characteristics of T-mycoplasmas of cattle.

J. Gen. Microbiol. 54(1):33-46, 1968.

PIL

UNANUE, E.R., and CEROTTINI, J.-C.

The immunogenicity of antigen bound to the plasma membrane of macrophages.

J. Exp. Med. 131(4):711-725, 1970.

PIL

U.S. NATIONAL INSTITUTES OF HEALTH.

Rifampicin.

J. Infec. Dis. 121(4):461-462, 1970.

PIL

VINCENT, W.F., HARRIS, E.W., and YAUERBAUM, S.

The estimation of precipitating antibody using a turbidimetric technique.

Immunology 18(2):143-147, 1970.

PIL

VOTAVA, M., and TYRRELL, D.A.J.

The possible value of certain cells for the propagation of respiratory viruses.

Arch. Gesamte Virusforsch. 29(2-3):253-256, 1970.

PIL

WAKEFIELD, J.D., and ROSE, N.R.

Propagation of the immune response by cell transfer.

Int. Arch. Allergy Appl. Immunol. 38(4):376-393, 1970.

PIL

WALKER, J.S., LINCOLN, R.E., and WEIRETHER, F.J.

Genetic control of virus production in cell lines.

Biotechnol. Bioeng. 10:557-566, 1968.

#8375

WEBSTER, R.G.

Estimation of the molecular weights of the polypeptide chains from the isolated hemagglutinin and neuraminidase subunits of influenza viruses.

Virology 40(3):643-654, 1970.

PIL

WEINSTEIN, M.J., WAITZ, J.A., and CAME, P.E.

Induction of resistance to bacterial infections of mice with poly I-poly C.

Nature(London) 226(5241):170, 1970.

PIL



MISCELLANEOUS

WOLSKA, E.

Les transformations de l'hydroxyde d'aluminium  
dans les vaccins adsorbés. (Transformations  
of aluminium hydroxide in absorbed vaccine.)

English summary, p. 340.

Zentralbl. Veterinärmed., Reihe B 17(2):338-340, 1970.

PIL

WORLD HEALTH ORGANIZATION.

Nomenclature of complement.

Bull. WHO 39(6):935-938, 1968.

PIL

YAMAMOTO, K.R., and others.\*

Rapid bacteriophage sedimentation in the presence  
of polyethylene glycol and its application  
to large-scale virus purification.

Virology 40(3):734-744, 1970.

\*B.M. Alberts, R. Penzinger, L. Lawhorne, and G. Treiber.

PIL

ZIMMERMAN, B., and FELDMAN, J.D.

Enhancing antibody, III. Site of activity.

J. Immunol. 104(3):626-632, 1970.

PIL

